

Title (en)

TANK SECURING FRAME AND TANK

Title (de)

TANKSICHERUNGSARMATUR UND TANK

Title (fr)

ARMATURE DE SÉCURITÉ DE RÉSERVOIR

Publication

EP 3371493 B1 20190925 (DE)

Application

EP 16781093 A 20161010

Priority

- DE 102015221895 A 20151106
- EP 2016074141 W 20161010

Abstract (en)

[origin: WO2017076579A1] The invention relates to a tank securing frame with at least one vacuum valve (V) comprising, in a housing, a sealing seat and a valve disc assembly (P) which is mounted such that it is linearly movable in relation to the sealing seat, for cooperation therewith, and comprises a valve disc, and a valve rod, at least part of the valve disc assembly (P) being guided in a guide, the valve disc assembly (P) being supported with at least essentially horizontal valve rods in the tank securing frame and the active centre of gravity (M) thereof being positioned at least in the end section of the lift of the valve disc, on the sealing seat between two ends of the guide.

IPC 8 full level

F16K 31/143 (2006.01); **B65D 90/34** (2006.01); **F16K 24/00** (2006.01); **F16K 24/06** (2006.01); **F16K 27/02** (2006.01)

CPC (source: EP)

F16K 24/00 (2013.01); **F16K 24/06** (2013.01); **F16K 27/02** (2013.01); **F16K 31/143** (2013.01); **B65D 90/34** (2013.01)

Citation (examination)

- AU 618316 B2 19911219 - AUTOCAPS AUST PTY LIMITED
- US 2028756 A 19360128 - CRECCA JOHN D, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2017076579 A1 20170511; CN 208951398 U 20190607; DE 102015221895 A1 20170511; DK 3371493 T3 20191216;
EP 3371493 A1 20180912; EP 3371493 B1 20190925; ES 2755829 T3 20200423; PL 3371493 T3 20200430

DOCDB simple family (application)

EP 2016074141 W 20161010; CN 201690001327 U 20161010; DE 102015221895 A 20151106; DK 16781093 T 20161010;
EP 16781093 A 20161010; ES 16781093 T 20161010; PL 16781093 T 20161010